

# “Combination therapy of cyclosporine and vedolizumab is effective and safe for severe, steroid-resistant Ulcerative Colitis patients: A prospective study”

Tarabar D<sup>1</sup>, El Jurdi K<sup>2</sup>, Yvellez O<sup>2</sup>, Milenkovic Z<sup>1</sup>, Petrovic S<sup>1</sup>, Subotic B<sup>1</sup>, Brcerevic I<sup>1</sup>, Latinovic O<sup>3</sup>, Rubin DT<sup>2</sup>.



<sup>1</sup>Military Medical Academy,  
Belgrade, Serbia



<sup>2</sup>University of Chicago Medicine  
Inflammatory Bowel Disease  
Center, Chicago, IL



<sup>3</sup>Clinical Center Vojvodina  
Novi Sad, Serbia

## Disclosure of Conflicts of Interest:

Conflict of interest :

Lecture fees from



abbvie



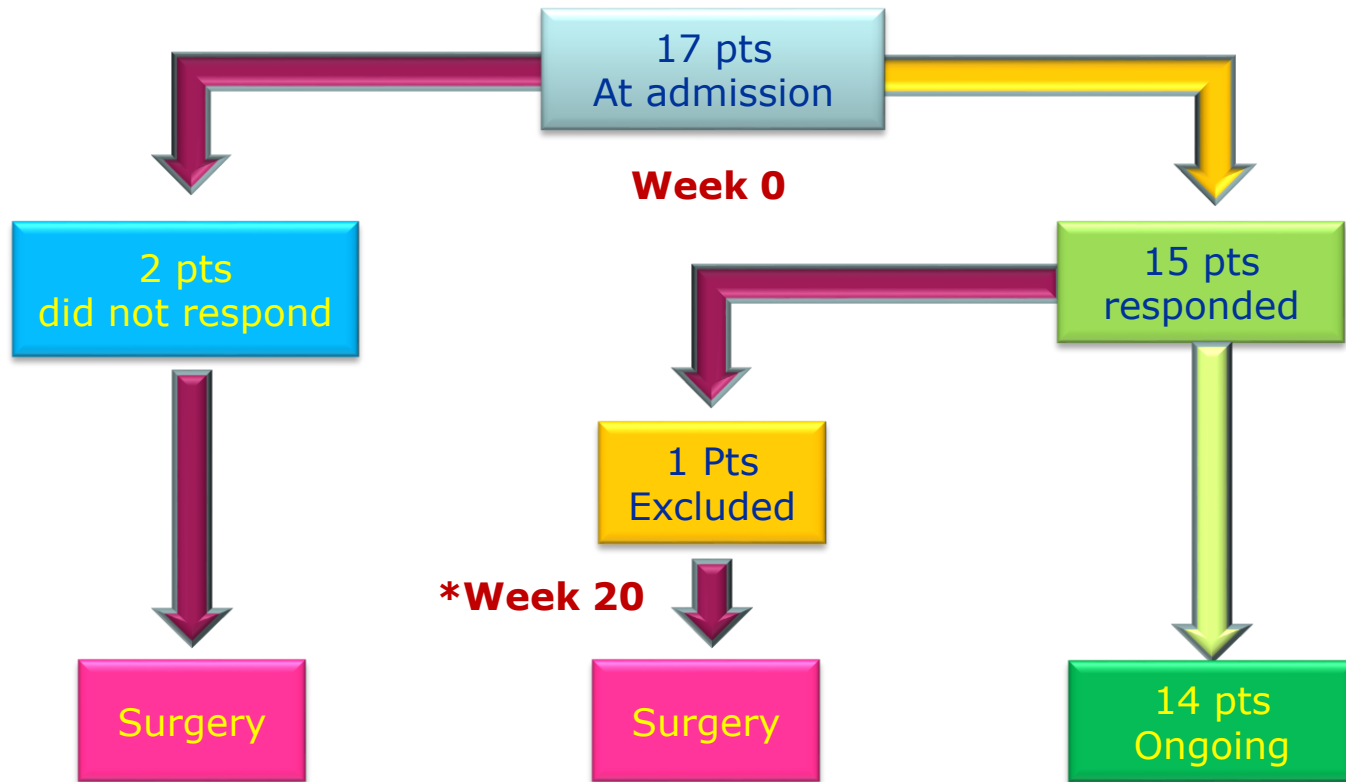
## **“Combination therapy of cyclosporine and vedolizumab is effective and safe for severe, steroid-resistant Ulcerative Colitis patients: A prospective study”**

- ❑ Severe, hospitalized, steroid resistant UC patients, are still therapeutic challenge
- ❑ Infliximab needed in higher dose (10mg/kg) – cost !!!
- ❑ Repeated infusions needed due to “leaky gut” – cost !!!
- ❑ Primary and secondary nonresponders
- ❑ Infections
- ❑ Cyclosporin as bridge to azathioprine (AZA)
- ❑ AZA + mesalazine uncertain to maintain remission
- ❑ Infections due to prolonged treatment with immunosuppressants

# “Combination therapy of cyclosporine and vedolizumab is effective and safe for severe, steroid-resistant Ulcerative Colitis patients: A prospective study”

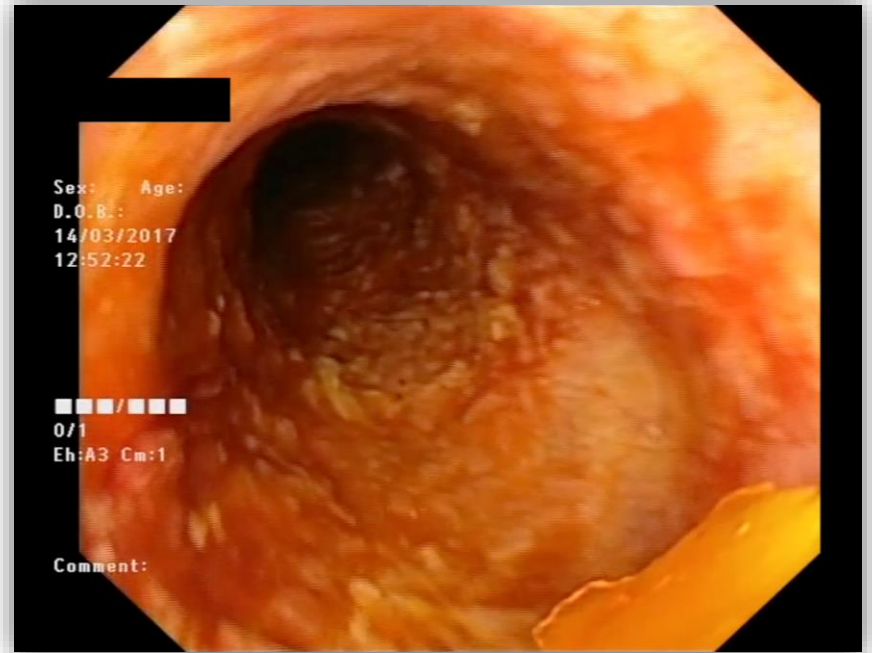
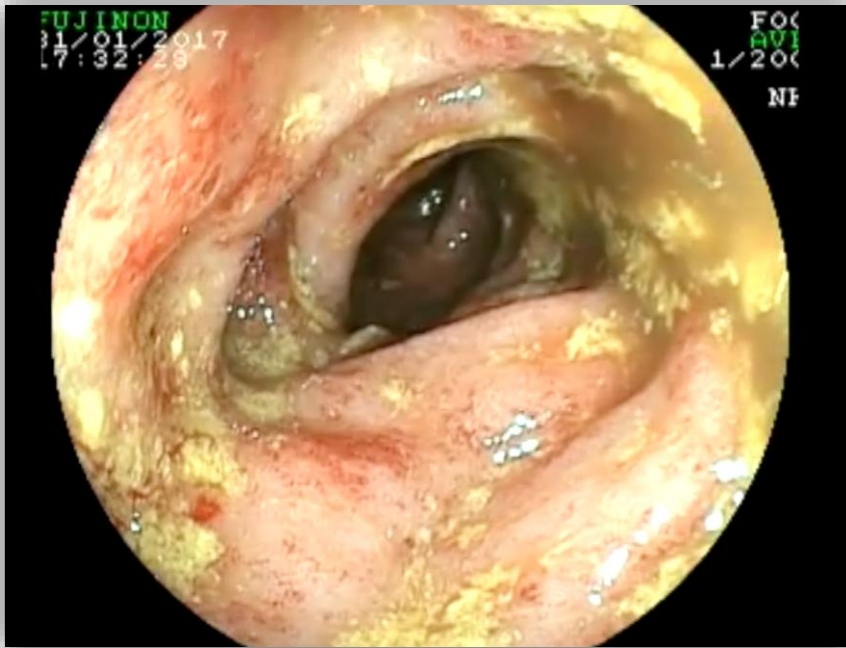
- *Tarabar – Rubin protocol*
- Steroid-resistant patients were given:
- *Cyclosporin* IV 2-4 mg/kg through 7 days,
- If responded (Lichtiger <10, CRP ↓) after 7 days = week 0  
*Cyclosporin* po 4-8 mg/kg up to 8 weeks  
*Vedolizumab* 300 mg on week 0, 2, 6, later every 8 weeks during for one year
- *Week 10* colonoscopy
- *Week 26* sigmoidoscopy
- *Week 52* colonoscopy + biopsy, trough level,
- *Every visit* includes blood tests, calprotectin, Lichtiger score

# “Combination therapy of cyclosporine and vedolizumab is effective and safe for severe, steroid-resistant Ulcerative Colitis patients: A prospective study”



# “Combination therapy of cyclosporine and vedolizumab is effective and safe for severe, steroid-resistant Ulcerative Colitis patients: A prospective study”

	At admission	Week 10	Week 14
SE	51.2		23.3
CRP	21.8		3.6
Calprotectin	1949		342.3
Lichtiger score	12.1		2.5
Mayo score	3	11/15 Mayo $\leq$ 1	



# **“Combination therapy of cyclosporine and vedolizumab is effective and safe for severe, steroid-resistant Ulcerative Colitis patients: A prospective study”**

## **CONCLUSIONS**

- ✧ The first prospective study of cyclosporine and vedolizumab in steroid-refractory severe UC patients
- ✧ Results demonstrate significant effectiveness and safety of this treatment
- ✧ Less exposure to cyclosporine and no AZA – less immunosuppressants = less/no infections